

**CROSSWALK OF 2001 NONTRADITIONAL OCCUPATIONS WITH
CLASSIFICATION OF INSTRUCTIONAL PROGRAM CODES**

Male Dominated Occupations

	% of women	CIP code	CIP classification
TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT	(63.7)		
Technicians and related support	(53.4)		
<u>Engineering and related technologists and technicians</u>	(21.3)	15.00	Engineering technology, general
<i>Electrical and electronic technicians</i>	(19.5)	49.01	Airline/commercial/professional pilot and flight crew (49.0102)
		15.01	Architectural Engineering Technology
		15.02	Civil Engineering Technology
		15.03	Electrical Engineering Technology
		15.04	Electromechanical Instrumentation and Maintenance Technology
		15.05	Environmental Control Technology
		15.06	Industrial Production Technology
		15.07	Quality Control and Safety Technology
		15.08	Mechanical Engineering-Related Technology
		15.09	Mining and Petroleum Technology
		15.10	Construction Engineering Technology
<i>Survey and mapping technicians</i>	(13.6)	15.11	Engineering-Related Technology
		15.12	Computer Engineering Technology
<i>Drafting occupations</i>	(20.1)	15.13	Drafting/Design Engineering Technology
		15.14	Nuclear Engineering Technology
		15.15	Engineering-Related Fields
<u>Technicians, except health, engineering, and science</u>	(41.6)		
<i>Airplane pilots and navigators*</i>	(3.5)	49.01	Airline/commercial/professional pilot and flight crew (49.0102)*
<i>Broadcast equipment operators</i>	(17.0)	10.02	Audiovisual communications technologies/technicians
Sales occupations	(49.4)		
<u>Sales workers, retail and personal services</u>	(63.1)		
<i>Sales workers, motor vehicles and boats*</i>	(10.0)	52.19	Vehicles and vehicle parts and accessories marketing operations (52.1907)*
<i>Sales workers, parts*</i>	(11.5)		
SERVICE OCCUPATIONS	(60.4)		

Protective service	(20.4)	43.01	Criminal justice and corrections
<i>Supervisors</i>	(12.3)	43.02	Fire protection
<i>Firefighting and fire prevention</i>	(4.1)	43.99	Security and protective services, other
<i>Police and detectives</i>	(17.8)		
<i>Guards and police, except public services</i>	(24.0)		
Service occupations, except private household and protective services	(65.3)		
<u>Cleaning and building service occupations</u>	(46.0)		
<i>Pest control occupations</i>	(4.0)	1.01	Agricultural business and management
PRECISION PRODUCTION, CRAFTS, AND REPAIR	(8.7)		
Mechanics and repairers	(4.9)	47.00	Mechanics and repairers, general
		47.01	Electrical/Electronics Maintenance and Repair Technology
		47.02	Heating, Air Con., Ventilation and Refrigeration Maintenance Technology
		47.03	Heavy/Industrial Equipment Maintenance Technology
		47.04	Precision Systems, Maintenance and Repair Technologies
		47.06	Vehicle Maintenance and Repair Technologies
		47.99	Mechanic and Repair Technologies
Construction trades	(2.5)	46.00	Construction trades, general
		46.01	Mason/Masonry
		46.02	Carpenters
		46.03	Electrical and Power Transmission Installers
		46.04	Building/Construction Finishing, Management and Inspection
		46.05	Plumbing and Related Water Supply Services
		46.99	Construction Trades, Other
		52.20	Construction Management
Extractive occupations	(2.0)	15.09	Mining and Petroleum Technologies
Precision production occupations	(24.6)	48.00	Precision production trades, general
<u>Precision metalworking</u>	(6.7)	48.05	Precision metal working
<u>Precision woodworking occupations</u>	(11.2)	48.07	Woodworking
<u>Precision textile, apparel, and furnishings machine workers</u>	(58.5)		
<i>Upholsterers</i>	(22.8)	48.03	Leatherworking and upholstery
<u>Precision food production occupations</u>	(37.4)		
<i>Butchers and meat cutters*</i>	(18.9)	12.05	Meat-cutting/meat-cutter (12.0506)*
<u>Plant and system operators*</u>	(4.4)	15.05	Environmental Control Technology
		15.06	Industrial Production Technology

		41.03	Chemical technology/technician (41.0301)*
		47.02	Heating, Air Con., Ventilation and Refrigeration Maintenance Technology
OPERATORS, FABRICATORS, AND LABORERS	(23.3)		
Machine operators, assemblers, and inspectors	(36.4)		
<u>Machine operators and tenders, except precision</u>	(36.0)	41.03	Physical Science Technologies
<i>Metalworking and plastic working machine operators</i>	(20.1)	48.00	Precision production trades, general
<i>Grinding, abrading, buffing, and polishing machine operators</i>	(16.9)	48.05	Precision metal-working
<u>Woodworking machine operators</u>	(15.2)	48.07	Woodworking, general
<u>Printing machine operators*</u>	(21.4)	10.03	Printing press operator (10.0307)*
<u>Machine operators, assorted materials</u>	(31.7)		
<i>Mixing and blending machine operators</i>	(13.8)	1.04	Agricultural and food products processing
Fabricators, assemblers, and hand working occupations	(31.6)		
<u>Welders and cutters</u>	(3.6)	48.05	Precision metal-working
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS	(10.4)		
Motor vehicle operators	(12.2)	49.02	Ground transportation services
<u>Truck drivers</u>	(5.3)		Truck and bus driver/commercial vehicles operation
<u>Drivers-sales workers</u>	(9.1)		Ground transportation, other
<u>Taxicab drivers and chauffeurs</u>	(12.3)		
Transportation occupations, except motor vehicles	(3.5)	49.01	Air transportation
Material moving equipment operators	(4.8)	49.03	Marine transportation
		49.02	Ground transportation
		49.03	Marine transportation
		49.99	Transportation and materials moving, other
HANDLERS, EQUIPMENT CLEANERS, HELPERS AND LABORERS	(20.5)		
Construction laborers	(3.6)	46.99	Construction trades, other
Garage and service station related occupations	(7.4)	52.02	Business Administration, Management, and Operations
Vehicle washers and equipment cleaners	(13.6)		No related CIP programs
FARMING, FORESTRY AND FISHING	(20.8)		
Farm operators and managers	(25.3)	1.01	Agricultural business and management
<u>Horticultural specialty farmers</u>	(13.2)	1.06	Applied horticulture/horticultural business services

Other agricultural and related occupations	(19.1)		
<u>Farm occupations, except managerial</u>	(21.5)	1.02	Agricultural mechanization
<u>Related agricultural occupations</u>	(17.8)	1.03	Agricultural production operations
<i>Groundskeepers and gardeners, except farm</i>	(7.8)	1.04	Agricultural and food products processing
		1.05	Agricultural and domestic animal services
		1.07	International agriculture
		1.08	Agricultural public services
		1.09	Animal sciences
		1.10	Food science and technology
		1.11	Plant sciences
		1.12	Soil sciences
		1.99	Agriculture, agriculture operations, and related sciences, other
Forestry and logging occupations	(8.3)	3.05	Forestry

Female Dominated Occupations

	% of men	CIP code	CIP classification
MANAGERIAL AND PROFESSIONAL SPECIALTY	(50.0)		
Executive, administrative and managerial	(46.0)		
<u>Managers, medicine and health*</u>	(77.3)	51.07	Health/health care administration/management (52.0701)*
<u>Management-related occupations</u>	(58.6)		
<i>Underwriters*</i>	(75.7)		Medical insurance coding specialist/coder (51.0713)* Medical insurance specialist/medical biller (51.0714)* Health/medical claims examiner 957.0715)*
Professional specialty	(53.7)		
<u>Health assessment and treating occupations</u>	(86.1)		
<i>Registered nurses</i>	(93.1)	51.16	Nursing
<i>Dietitians</i>	(86.4)	51.31	Dietetics and clinical nutritional services
<i>Therapists</i>	(76.3)	51.23	Rehabilitation and therapeutic professions
Occupational therapists*	(93.1)		Occupational therapy/therapist (51.2306)*
Speech therapists*	(92.1)		Rehabilitation and therapeutic professions, other (51.2399)*
<u>Teachers, except college and university</u>	(74.9)		
<i>Prekindergarten and kindergarten*</i>	(97.8)	13.12	Early childhood education and teaching (13.1210)*
<i>Elementary school*</i>	(82.5)	13.12	Elementary education and teaching (1312.02)*
<i>Special education*</i>	(86.0)	13.10	Special education, general (13.10)*
<u>Librarians, archivists, and curators</u>	(84.5)	25.01	Library science/librarianship

TECHNICAL, SALES, AND ADMINISTRATIVE SUPPORT	(63.7)		
Technicians and related support	(53.4)		
<u>Health technologists and technicians</u>	(81.7)		
<i>Clinical laboratory technologists and technicians*</i>	(78.8)	51.10	Clinical/medical laboratory technician (51.1004)*
<i>Dental hygienists</i>	(97.8)	51.06	Dental support services and allied professions
<i>Licensed practical nurses*</i>	(94.3)	51.16	Licensed practical nurse training (51.1613)*
<u>Technicians, except health, engineering, and science</u>	(41.6)		
<i>Legal assistants</i>	(83.5)	22.03	Legal support services
Sales occupations	(49.4)		
<u>Sales workers, retail and personal services</u>	(63.1)		
<i>Sales workers, apparel</i>	(78.3)	52.19	Apparel and accessories marketing operations (52.1904)*
<i>Cashiers</i>	(76.9)	52.18	Retailing and retail operations (52.1803)*
<u>Sales-related occupations</u>	(67.5)		
<i>Demonstrators, promoters, and models*</i>	(76.2)	52.18	Selling skills and sales operations (52.1804)*
		52.19	Fashion modeling (52.1903)*
Administrative support occupations, including clerical*	(78.7)	52.04	General office occupations and clerical services (52.0408)*
<u>Secretaries, stenographers, and typists</u>	(97.7)	52.04	Business operations support and assistant services
<u>Information clerks</u>	(87.8)		
<i>Interviewers</i>	(81.5)	51.07	Medical reception/receptionist (51.0712)*
<i>Receptionists</i>	(97.0)		
<u>Records processing, except financial</u>	(80.8)	52.04	Business operations support and assistant services
<u>Financial records processing</u>	(91.8)	52.03	Accounting and related services
<u>Communications equipment operators</u>	(82.1)	52.04	Business operations support and assistant services
		47.01	Communications systems installation and repair technology (47.0103)*
<u>Adjusters and investigators</u>	(74.3)		
<i>Investigators and adjusters, except insurance</i>	(75.0)	51.07	Health/medical claims examiner (51.0715)*
<i>Eligibility clerks, social welfare</i>	(91.1)	44.02	Community organization and advocacy
SERVICE OCCUPATIONS	(60.4)		
Private household*	(96.2)	12.05	Culinary arts/chef training (12.0503)*
			Food preparation/professional cooking/kitchen assistant (12.0505)*
Service occupations, except private household and protective services	(65.3)		
<u>Food preparation and service occupations</u>	(57.0)		
<i>Waiters and waitresses*</i>	(76.4)	12.05	Food service, waiter/waitress (12.0507)*
<u>Health service occupations</u>	(89.1)	51.26	Health aides/attendants/orderlies
<u>Personal service occupations</u>	(80.7)		
<i>Hairdressers and cosmetologists</i>	(90.4)	12.04	Cosmetology and related personal grooming services

<i>Public transportation attendants</i>	(80.5)	52.18	Selling skills and sales operations (52.1804)*
<i>Welfare service aides*</i>	(84.7)	19.07	Child care provider/assistant (19.0709)*
<i>Family child care providers*</i>	(98.7)		Child care provider/assistant
<i>Early childhood teachers' assistants</i>	(94.7)	13.15	Teaching assistant/aide
PRECISION PRODUCTION, CRAFTS, AND REPAIR	(8.7)		
Precision production occupations	(24.6)		
<u>Precision textile, apparel, and furnishings machine workers</u>	(58.5)		
<i>Dressmakers</i>	(92.2)	19.09	Apparel and textiles